

BSA-500 Board

The image recording and processing unit of the IPS-200 consists of two VMEbus cards, BSA-500 and BSA-500C.

The BSA-500 PCB contains the digitizer, the overlay and the control logic, whereas the BSA-500C PCB contains the frame store.

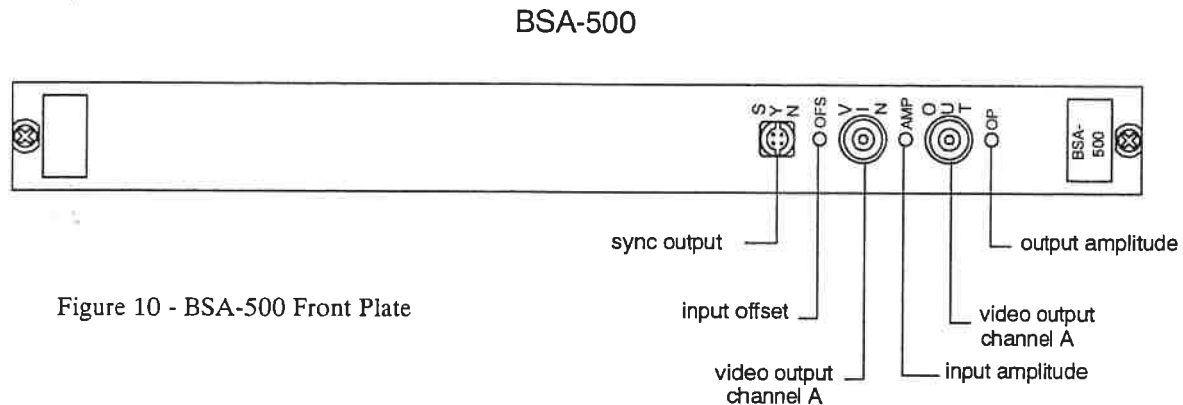


Figure 10 - BSA-500 Front Plate

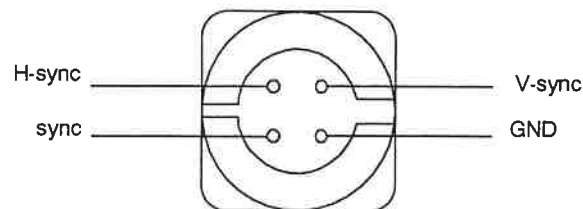


Figure 11 - BSA-500 Sync Jack

The BSA-500 PCB is equipped with one BNC connector, respectively, for the video input (VIN) and video output (OUT).

The video input can be adjusted by means of two controls OFS (offset) and AMP (amplitude). By means of control AMP, it is possible to change the input sensitivity of the video input to any point between 0.5 Vp-p and 1.5 Vp-p. The offset can be adjusted by means of control OFS.

The amplitude can be adjusted by means of control OP. The output level can be set between 0 to 1.5 Vp-p ($R_I = 75 \text{ Ohms}$).

The sync. connector SYN is available with H and V sync signals and the sync mix for the synchronization of a video camera.